



Contract No. 009359	Station Section 4A	Mile/Line: US-12	C/S
Staked by SURVEY 7/1/2019	Date	Work Started Date 7/8/2019	Work Completed Date
Calculated by Scott Busby 8/5/2019	Date	Checked by E. Knudson 8/8/2019	Inspector Scott Busby 8/5/19

ITEM NO. 16  
**Section 4A - US-12 MP 192 to MP 203**  
BEAM GUARDRAIL TRANSITION TYPE 21

**Group Number: 29**

7/9/2019 - US-12

- Station MP 202.54 S5 N 1st St on 0.20 RT WB - Sheet 5 - Installed **One EA** Beam Guardrail Transition Type 21-LT
  - 50 LF**
  - 14 Steel Posts

7/16/2019 - US-12

- Station MP 201.56 LX N 16th Ave 0.09 LT - Sheet 5 - Installed **One EA** Beam Guardrail
  - 50 LF**
  - 14 Steel Posts

Sub Total: Transition Type 21 = (50 x 2) = **100 LF**  
Steel Posts = (14 x 2) = **28 posts**

ITEM NO. 16  
**Section 2 - I-82 Umatilla to Ellensburg**  
BEAM GUARDRAIL TRANSITION TYPE 21

**Group Number: 16**

7/11/2019 - I-82

- Station MP 54.08 LX Exit 54 0.15 LT - Sheet 5- Installed **One EA** Beam Guardrail Transition Type 21-RT
  - 50 LF**
  - 14 Steel Posts

Totals: Transitions = **3 EA**, (50 LF \* 3) = **150 LF**  
Steel Posts = (14 EA \* 3) = **42 EA**

**Notes:**

**How Measured: Per Each and Verified in the field**

Item Num	Material Brand Name/Model Type	Manufacturer	Brand Name/Model Type	RAMS/QPL Ref. No.	Appr/Acc Code	Basis of Accept
016.02				QPL-0001	2215 /	

	Beam Guardrail Thrie Beam Elements and Components	Trinity Highway Products, LLC							Mfr. Cert. per Stnd. Spec. 1-06.3		
016.05	Beam Guardrail Steel Post and Blocks	Trinity Highway Products, LLC				QPL-0002	2215	/	Mfr. Cert. per Stnd. Spec. 1-06.3		
016.07	Epoxy Resins, General Hiliti Resin Bonded Anchors - Adhesive	Hiliti		HIT-HY 200-R		QPL-0007	3109	/	Visual Acceptance per Const. Manual 9-1.4C		
016.07	Rail Element and Component Parts Threaded Anchor Rod	Portland Bolt & Manufacturing				QPL-0008		/	Mfr. Cert. per Stnd. Spec. 1-06.3		
Item Num	Item Description	Grp	Date Work Complete	Unit	Quantity	Ledger Entry No.	Posted By Init.	Posted By Date	Checked By Init.	Checked By Date	Est. No.
0016	BEAM GUARDRAIL TRANSITION SECTION TYPE 21	16	8/5/2019	EAC H	1	225	EK	08/09/19			5
0016	BEAM GUARDRAIL TRANSITION SECTION TYPE 21	29	8/5/2019	EAC H	2	226	EK	08/09/19			5

## Attachments



Things to do 82-2.xlsx  
Microsoft Excel  
Worksheet  
400 KB

DOT Form IP 422-635ER EF  
Revised 4/2009